

## ***Interactive comment on “Scalable Diagnostics and Data Compression for Global Atmospheric Chemistry using Ristretto Library (version 1.0)” by Meghana Velegar et al.***

### **Anonymous Referee #1**

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The research article entitled “Scalable Diagnostics and Data Compression for Global Atmospheric Chemistry using Ristretto Library” for global environment monitoring deals with huge volume of data. It is necessary to develop an efficient method to reduce the data obtained from the sensor for reasonable analysis. Here are some of the clarifications/minor revision required from the authors. 1. Authors have applied the already existing methods to the Global Atmospheric Chemistry Data. What is the novelty in this work compared to the existing methods?

2. What is the reason for choosing Ristretto Library and it would be better to mention the advantages of using Ristretto Library package.

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3. The Comparative results with the existing techniques are necessary to prove the efficiency of the proposed method
4. Add some more related works developed in the recent years in the introduction section.
5. Any pictorial representation or block diagram need to clearly figure out your whole work.

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Interactive comment on Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2018-308>, 2018.

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